

**DODIIS**

**AUTOMATED MESSAGE  
HANDLING SYSTEM  
(AMHS)**

**PROGRAM**

DIA RSM

STAT

# THE AMHS STUDY - ITS GENESIS

- \* POM REVIEW HIGHLIGHTED NEED
  - \* MULTIPLE PROGRAMS
  - \* CONSIDERABLE RESOURCES
  - \* ESSENTIALLY SAME REQUIREMENTS

## AMHS REPLACEMENT

- \* MESSAGE CAPACITY LIMITED
- \* USER TERMINAL QUANTITY LIMITED
- \* ARCHITECTURE LIMITS  
IMPROVEMENT
  - \* FUNCTIONAL
  - \* SECURITY

# SYSTEM ENVIRONMENT

MESSAGE  
HANDLER

APPLICATIONS

INFRASTRUCTURE

USER ENVIRONMENT  
(INCL. WORKSTATIONS)

# THE AMHS STUDY

## **WHAT:**

**PHASE 1 - REQUIREMENTS**

**PHASE 2 - TECHNICAL FEASIBILITY**

**PHASE 3 - MANAGEMENT STRATEGY**

## **WHO:**

**AFIS / IND**

**DIA JS / RSI / RSE / RSM**

## **WHEN:**

**APRIL - SEPTEMBER 1986**

# PHASE 1 REQUIREMENTS PHASE

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NSS II

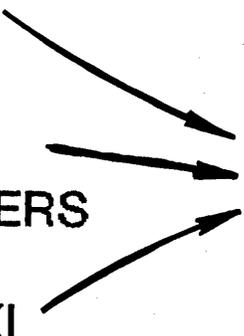
M-ROC

WIS

ALL OTHERS

HOL MAXI

44 MACRO RQMT  
8 CATEGORIES



# AMHS REQUIREMENT CATEGORIES

- MESSAGE RECEIPT
- TEXT HANDLING
- DATA RETRIEVAL / STORAGE
- MESSAGE GENERATION
- EXTERNAL INTERFACES
- SYSTEM / PERFORMANCE
- SECURITY
- MISCELLANEOUS  
(USER RELATED FEATURES)

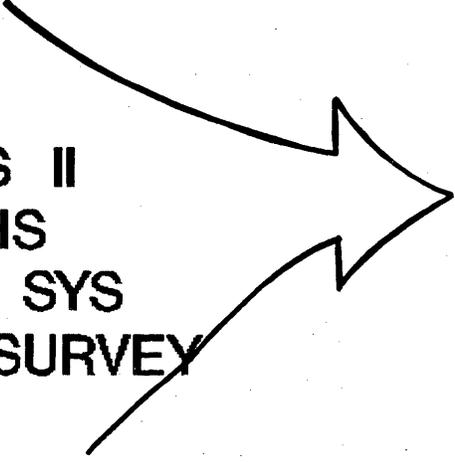
# PHASE 2 TECHNICAL FEASIBILITY

## CANDIDATES

HOL - MAXI  
SAFE  
NMIC SPT SYS II  
LANTCOM AMHS  
WWMCS INFO SYS  
COMMERCIAL SURVEY

## VIABLE APPROACHS

WIS AMH  
NSS II  
HOL MAXI



## PHASE 3 MANAGEMENT STRATEGY

- ✓ COOPERATIVE COMMUNITY PROGRAM
  - DIAM 65-13 LIFE CYCLE METHODOLOGY
- ✓ SUFFICIENT DEVELOPMENT RESOURCES
  - HOL MAXI & NSS-II
  - & COMPUTER SECURITY PROGRAM
- ✓ ALTERNATIVE APPROACHES
  - JOINT DODIIS / WIS EFFORT
  - WIS BASED DERIVATIVE
  - INDEPENDENT DODIIS DEVELOPMENT

# STUDY CONCLUSIONS

- ✓ SINGLE PROGRAM RECOMMENDED TO DEVELOP COMMUNITY-WIDE CAPABILITY
- ✓ MOST COST EFFECTIVE
- ✓ PROGRAM IS FEASIBLE

# STUDY COORDINATION

ARMY	+ CONCUR
NAVY	+ CONCUR
AIR FORCE	+ CONCUR
DIA	
VP-SIA	+ CONCUR
RSI	+ CONCUR
JS	+ CONCUR
DODIIS MANAGER'S CONF	+ OCT '86
ATTENDEES BRIEFED	

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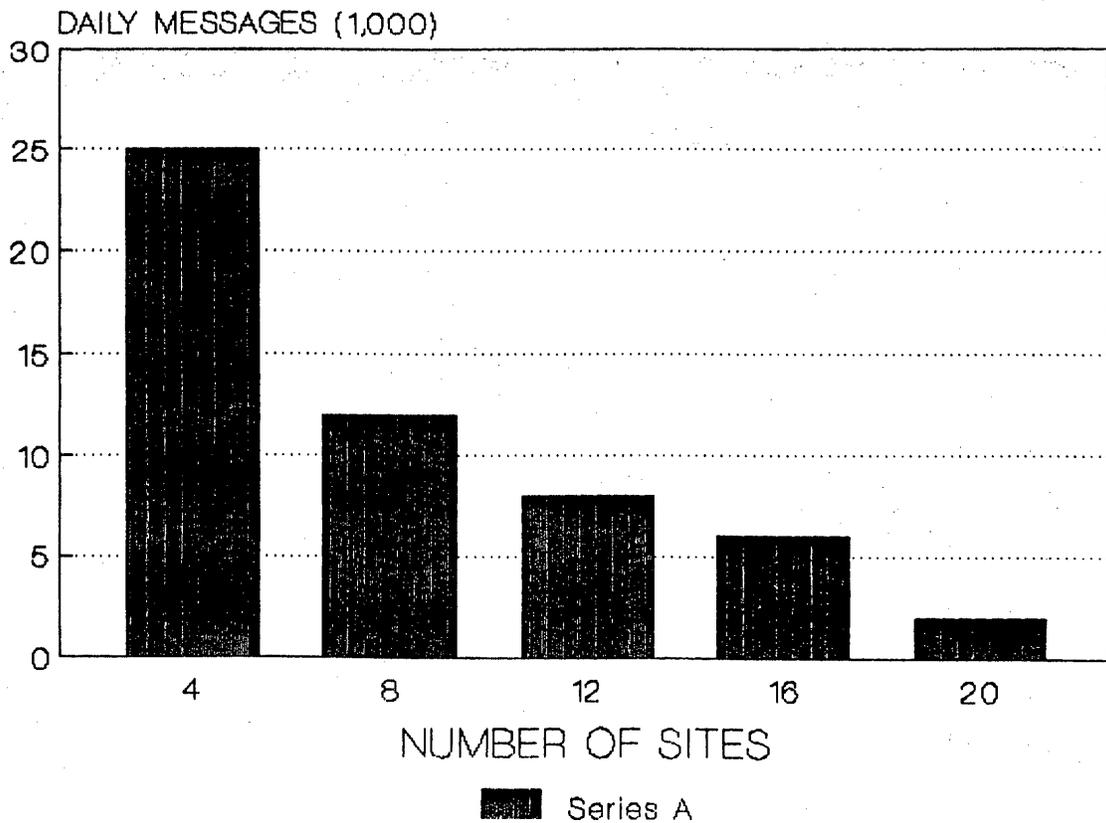
**DODIIS AUTOMATED  
MESSAGE HANDLING  
PROGRAM  
IMPLEMENTATION**

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## DEVELOPMENTAL OBJECTIVES

- ✓ JOINT DEVELOPMENT TEAM
- ✓ MODULARITY AND FLEXIBILITY
- ✓ SCALABLE PERFORMANCE
- ✓ HIGH ORDER LANGUAGE
  - EASY LIFE CYCLE MAINTENANCE
  - MULTIPLE HARDWARE  
VENDOR PORTABILITY
- ✓ B-1 SECURITY LEVEL

## SITES VS MESSAGE CAPACITY

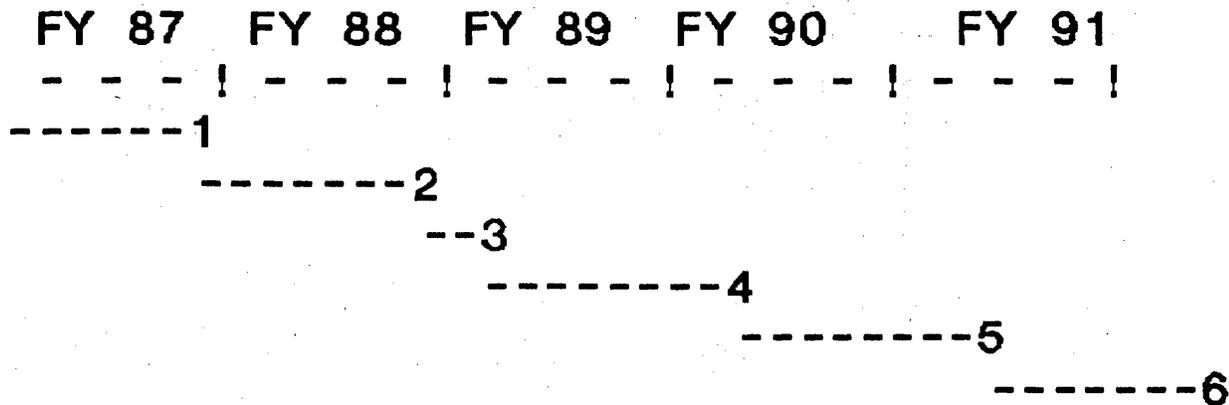


## PMO/SDO STAFFING REQUIREMENTS

<u>PMO</u>		<u>SDO</u>	
DIA RSM	- 2	DIA RSE	- 2
DIA JS	-1	DIA RSI	- 3
AIR FORCE	- 2	AIR FORCE	- 2
ARMY	- 1	ARMY	- 1
NAVY	- 1	NAVY	- 1
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	7		9

MITRE - 3 MTS AVAILABLE

## DODIIS AMHS MACRO MILESTONES



- 1 - VALIDATED REQUIREMENTS
- 2 - FUNCTIONAL DESIGN
- 3 - DATA HANDLING CAPABILITY ANALYSIS
- 4 - SYSTEM DESIGN
- 5 - SYSTEM DEVELOPMENT
- 6 - DODIIS AMHS OPERATIONAL

## CURRENT ACTIONS

<b>WIS AMHS REVIEW (DESIGN REVIEWS)</b>	<b>ONGOING (SEP 86 - APR 87)</b>
<b>WHITE HOUSE AMHS REVIEW</b>	<b>NOV 86</b>
<b>LANTCOM AMHS</b>	<b>DEC 86</b>
<b>IPAC AMHS REVIEW</b>	<b>FEB 87</b>
<b>REQUIREMENTS*CONSOL- IDATION / COMPARISON</b>	<b>FEB - APR 87</b>
<b>REVIEWS OF ADVANCED TECHNOLOGIES</b>	<b>TBD</b>

## NEAR TERM ACTIONS

- **COMPLETE COORDINATION**
  - \* **GDIP STAFF**
  - \* **U&S COMMANDS**
  
- **STAFF PMO**
  
- **FINALIZE REQUIREMENTS DEFINITION**
  - \* **COMMAND INPUTS**
  - \* **SYSTEM REQUIREMENTS REVIEW**
  - \* **PREPARE FOR FUNCTIONAL DESIGN**